

# REPORT

OF THE

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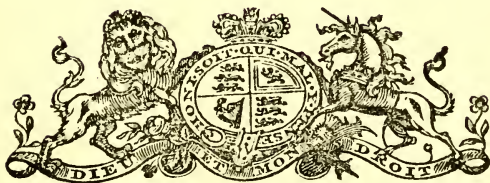
# ROYAL SOCIETY

OF

# TASMANIA

FOR THE YEAR

1883.



Tasmania:

WILLIAM THOMAS STRUTT, GOVERNMENT PRINTER, HOBART.

1884.

# ROYAL SOCIETY OF TASMANIA.

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## Patron :

HER MAJESTY THE QUEEN.

## President :

HIS EXCELLENCY MAJOR SIR GEORGE CUMINE STRAHAN,  
R.A., K.C.M.G.

## Vice-Presidents :

HON. J. W. AGNEW, M.D., M.L.C.  
JAMES BARNARD, ESQ.  
HIS HONOR MR. JUSTICE DOBSON.  
THOMAS STEPHENS, ESQ., M.A., F.G.S.

## Council :

C. T. BELSTEAD, ESQ.  
T. STEPHENS, ESQ., M.A., F.G.S.  
H. J. BUCKLAND, ESQ.  
J. BARNARD, ESQ.  
\* HIS HONOR MR. JUSTICE DOBSON.  
\* C. H. GRANT, ESQ.  
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\* HON. J. W. AGNEW, M.D.  
JOHN SWAN, ESQ.  
JUSTIN M'C. BROWNE, ESQ.  
A. G. WEBSTER, ESQ.  
H. A. PERKINS, ESQ., M.D.

## Treasurer :

C. J. BARCLAY, ESQ.

## Hon. Secretary :

JAMES BARNARD, ESQ.

## Auditors of Annual Accounts :

F. BUTLER, ESQ.  
JOHN MACFARLANE, ESQ.

## Auditors of Monthly Accounts :

H. J. BUCKLAND, ESQ.  
C. T. BELSTEAD, ESQ.

## Curator of Museum :

MR. ALEXANDER MORTON.

## Superintendent of Gardens :

MR. F. ABBOTT, JUN.

\* Members who retire next in rotation.

### **Honorary Members :**

- \* Baron F. Von Mueller, K.C.M.G., M.D., F.R.S., F.L.S., &c., Government Botanist, Melbourne, Victoria.
- \* Rev. J. E. Tenison-Woods, F.L.S., F.G.S., F.R.G.S., Sydney.  
Mrs. Meredith, Launceston.

### **Corresponding Members :**

\*Members who have contributed Papers which have been published in the Society's Transactions.

- W. H. Archer, Esq., Melbourne.
- Sir Joseph Dalton Hooker, C.B., K.C.S.I., &c., &c., London.
- C. Tomlinson, Esq., F.R.S., F.C.S., &c., Highgate, near London.
- \* G. Bennett, Esq., M.D., F.Z.S., Sydney, New South Wales.
- Professor G. Neumayer, Munich.
- Dr. W. O. Sonder, Foreign Hon. Sec. Society of Naturalists, Hamburg.
- Rev. J. J. Bleasdale, D.D., F.G.S.
- \* Major W. V. Legge, R.A., F.Z.S., M.R.A.S., England.
- Professor John Agardh, M.D., University of Lund, Sweden.
- Dr. Julius Haast, F.R.S., F.G.S., Director of Museum, Christchurch, New Zealand.
- Archibald Liversidge, Esq., F.R.S., F.C.S., F.G.S., F.L.S., F.R.G.S., &c., &c., Professor of Chemistry and Mineralogy, University of Sydney.
- Professor W. Harkness, U.S.N., United States Naval Observatory, Washington.
- Henry Heylyn Hayter, Esq., C.M.G., Government Statist, Melbourne.
- \* Frederick M. Bailey, Esq., F.L.S., Brisbane, Queensland.
- \* Ralph Tate, Esq., F.L.S., F.G.S., Professor of Natural History, University of Adelaide.
- \* John Brazier, Esq., C.M.Z.S., Sydney.
- Richard Schomburg, Ph.D., C.M.Z.S., Director of Botanic Gardens, Adelaide.
- Professor G. F. H. Ulrich, F.G.S., Melbourne.
- \* F. W. Hutton, Esq., F.G.S., C.M.Z.S., Professor of Biology, Canterbury College, Christchurch, New Zealand.
- Rev. George Brown, C.M.Z.S., Sydney.
- Professor F. M'Coy, F.R.S., F.G.S., University of Melbourne.

R. J. L. Ellery, Esq., F.R.S., F.R.A.S., Government  
Astronomer, Melbourne.

Mons. J. N. Verschaffelt, Ghent, Belgium.

\* Robert Etheridge, jun., Esq., F.G.S., British Museum.

James Hector, Esq., M.D., C.M.G., F.R.S., F.G.S., Director  
Geological Survey of New Zealand, Wellington.

Rev. Charles Rogers, LL.D., Secretary Royal Historical  
Society, London.

E. P. Ramsay, Esq., F.L.S., Curator of Australian Museum,  
Sydney.

Hon. W. M'Leay, F.L.S., Sydney.

William Tompson Beduall, Esq., Adelaide, South Australia.

\* G. McIntyre, Esq., Christchurch, New Zealand.

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## List of Fellows and Members:

\* Fellows who have contributed Papers which have been published in the Society's Transactions. † Denotes Life Membership.

- \* Abbott, F., jun., Hobart.
- Adams, G. P., ditto.
- \* Agnew, Hon. J. W., M.D., M.E.C., Fellow of the Linnean Society of New South Wales, ditto.
- Aikenhead, Hon. J., M.L.C., Launceston.
- Adams, R. P., Solicitor-General, Hobart.
- Allport, Morton John Cecil, ditto.
- Atkins, Charles J., ditto.
- Archer, H. W. D., M.H.A., Brickendon.
  
- Bilton, H., Glenorchy.
- \* Barnard, James, Hobart.
- Butler, Francis, ditto.
- Bright, R. S., M.R.C.S. Eng., ditto.
- Butler, Henry, F.R.C.S. Eng., ditto.
- Buckland, H. J., ditto.
- Browne, Justin M'C., ditto.
- Barclay, C. J., ditto.
- Belstead, C. T., ditto.
- Belbin, W., M.H.A., Mayor, ditto.
- Brown, Hon. N. J., M.H.A., Meadow Banks, Glenora.
- Bidencope, J., Hobart.
- Barnard, C. E., M.D., F.L.S., England.
- Brock, H. J., Campania.
- \* Beddome, C. E., Hillgrove, Brown's River Road.
- Burgess, W. H., M.H.A., Hobart.
- Bethune, John C., Dunrobin.
- Barnes, William Trevallyn, Launceston.
  
- Cook, Henry, Hobart.
- Crawford, Lieut.-Colonel, Hamilton-on-Forth.
- Coote, Audley, M.H.A., Sandy Bay.
- Cowle, Miss, Hobart.
- Crosby, R., ditto.
- Crowther, E. L., M.D., ditto.
- Crouch, E. J., M.R.C.S., Eng., ditto.
- Crosby, William, jun., ditto.
- Chapman, C. W., Cascade, Hobart.

\* Dobson, His Honor Mr. Justice, Hobart  
 Dobson, H., ditto.  
 Dowdell, C., ditto.  
 Dodds, the Hon. J. S., M.H.A., ditto.  
 Dobson, Hon. Alfred, M.H.A., ditto.

Elliston, C. H., ditto.  
 Evans, T. M., ditto.

Fincham, James, ditto.  
 Fysh, Hon. P. O., M.E.C., ditto.

† Gellibrand, Hon. W. A. B., M.L.C., Hon. Member Leeds  
 Institute, River Ouse.  
 Grant, C. H., Hobart.  
 Grahame, W. H., ditto.  
 Giblin, Edward O., M.D., ditto.  
 Grant, James, ditto.  
 Gawne, E. B., Bellerive.

Harris, Rev. R. D. P., Hobart.  
 Hunter, Henry, ditto.  
 Huybers, A., ditto.  
 Holden, L. A., M.R.C.S., Eng., ditto.  
 Hookey, Vernon W., Hobart.  
 Henry, Robert, jun., ditto.  
 Hamilton, John, ditto.

\* Johnston, R. M., F.L.S., ditto.  
 Jeffrey, Molesworth, Bournbank, Lachlan.

Kermode, W. A., Mona Vale.  
 Knight, W., M.A., Hobart.

Lewis, Hon. David, ditto.  
 Latham, G. H., ditto.  
 Lovett, W., Colonial Auditor, Hobart.

Macfarlane, James, ditto.  
 Macfarlane, John, ditto.  
 Mather, J. B., ditto.  
 Maxwell, C. M., ditto.  
 Marsh, H. J., Hobart.

† Mace, G., Spring Bay.  
 Murphy, Most Rev. D., Bishop of Hobart.  
 Macmichael, John C., Hobart.  
 Maddox, Wm. Gordon, M.R.C.S., Eng., Launceston  
 Mace, F., Buckland.  
 Macfarlane, W. H., M.B., New Norfolk.

Napier, G. R., Hobart.  
 \* Nowell, E. C., ditto.  
 Nairn, C. C., New Town.  
 Nicholas, Wm., Nant, Bothwell.  
 Nicholas, Geo. C., Mill Brook, Ouse.

Pillinger, J., Antill Ponds.  
 Perkins, H. A., M.D., M.R.C.S., Eng., Hobart.  
 Parsons, Cecil J., New Town.  
 \* Petterd, W. F., C.M.Z.S., Launceston.

Roberts, H. L., Hobart.  
 Read, R. Cartwright, Redlands, New Norfolk  
 Riddoch, A., Hobart.  
 Reynolds, W. J. J., ditto.

Seal, M., ditto.  
 Smith, His Honor Sir Francis, Chief Justice, ditto.  
 † Solomon, Joseph, ditto.  
 \* Stephens, T., M.A., F.G.S., Inspector of Schools, ditto.  
 Story, Dr. G. F., Swanport.  
 Salier, F. J., Hobart.  
 \* Swan, John, ditto.  
 \* Shoobridge, W. E., New Norfolk.  
 \* Simson, A., Launceston.  
 Swan, E. D., Hobart.  
 Sharp, J., ditto.  
 Shoobridge, R. W. G., New Norfolk.  
 Smith, C. H., Launceston.  
 Shaw, Bernard, Hobart.  
 Simmons, Rev. J. Wilkes, Hobart.

\* Travers, S. Smith, New Town.

Walch, James H. B., Hobart.  
 Wise, F. H., ditto.  
 Webster, A. G., ditto.

Wright, Stephen P. H., Glenorchy.  
Westbrook, G. C., Hobart.  
Woodgate, E. W., Launceston.  
Walker, James Backhouse, Hobart.  
Ward, W. F., Government Analyst, ditto.  
Wilson, Fleetwood, ditto.  
  
Young, Russell, ditto.

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*MINUTES of the Annual General Meeting of the  
ROYAL SOCIETY OF TASMANIA, held at the Museum  
on Tuesday evening, 29th January, 1883, the Hon.  
DR. AGNEW in the Chair.*

THERE was a numerous attendance of Fellows.

The under-mentioned gentlemen were duly elected Fellows of the Society ; viz.—A. B. Biggs, Esq., of Launceston ; the Right Rev. Bishop Sandford, D.D. ; Albert W. Graham, Esq. ; Lieut.-Colonel Legge, R.A.

The Hon. Secretary, Mr. Barnard, read the Report of the Society for the past year ; when it was moved by the Chairman, “That the Report be adopted, and printed for circulation among the Fellows.” Carried unanimously.

The four retiring Members of Council, and the two Auditors of annual accounts, were duly re-elected.

Mr. Grant had great pleasure in proposing a very hearty vote of thanks to the Honorary Secretary, Mr. Barnard, who had so kindly undertaken the office during the absence of their former Secretary, Dr. Agnew. He felt sure that the Fellows of the Society most cordially welcomed back Dr. Agnew, who had formerly done so very much for the Society, having been the most able and generous Secretary it was possible to be favoured with. At the last Council meeting, being the first at which Dr. Agnew was present since his return home, Mr. Barnard expressed a great anxiety to relinquish the office to the former occupant, who had so well and so worthily filled it, and became thoroughly identified therewith. He felt sure the Fellows would be greatly pleased to hear that Dr. Agnew had re-accepted the position, and after this meeting would again become the Secretary, and his influence and services would doubtless be, as before, of inestimable value thereto. Mr. Barnard had most worthily filled the post during the interval, and the Society owed him a great debt of gratitude for the ability, zeal, and industry he had exhibited in its service, which their great joy at welcoming back Dr. Agnew ought not to make them overlook or diminish. The Society had lost a talented and most faithful representative in their late Curator, who was so highly respected, and whose loss was so sincerely

regretted by them all ; and they were particularly indebted to the kindness of Mr. E. D. Swan, who, in the absence of a Curator, had given his valuable services at the Museum, and would probably do so until the arrival of the new Curator about the 1st March next. Although the Society could not record the last as a brilliant session, good work had been done ; and the action of the Domain Committee, with the very able Superintendent of the Gardens, had introduced some new features in the Domain, and greatly improved its appearance as compared with that of two or three years since. The labours of Mr. Barnard had been made more onerous and responsible by the decease of their late much esteemed Curator, and also unfortunately by illness, which confined him to his house, but from which they would all be glad to see he was recovering, and would unite in the hope that all traces of the illness will soon pass away. For the above, with many other equally important reasons, he felt sure all would join in a most hearty and cordial vote of thanks to their Secretary, Mr. Barnard.

Mr. Stephens said he had very great pleasure in seconding the motion. Though glad to see their old friend Dr. Agnew again occupying the position in which he had done so much for the Royal Society, he was confident that the Fellows were fully sensible of what they owed to Mr. Barnard for having so readily consented to undertake the duties of Honorary Secretary ; and he could himself bear testimony to the zealous, painstaking, and efficient manner in which those duties had been discharged during the past three years.

The Chairman, before putting the motion, begged to say a few words in its cordial support. During his comparatively long absence from the Colony he had regular opportunities, through the columns of the *Mercury*, of observing the very zealous and efficient manner in which the Honorary Secretary had always conducted the affairs of the Society. So much indeed had he been impressed by this, that it was only at the urgent desire of Mr. Barnard himself he had consented to undertake again the duties which had been so ably carried on in his absence. His work, he knew, would be lightened by the aid and co-operation which had been very kindly promised him by Mr. Barnard ; and under these circumstances he hoped, as far as the Honorary Secretary's duties were concerned, that the progress of the Society would be as satisfactory in the future as it had been in the past.

Mr. Barnard, in acknowledging the vote of thanks, said that he was quite overwhelmed with the kindly feeling so warmly manifested in the recognition of his past services ; and that in resigning the position of Honorary Secretary, which he had held for the last three years as *locum tenens* for Dr. Agnew, it was a great satisfaction to him that, in surrendering the office to its proper and legitimate holder, he could do so with the consciousness of having endeavoured to uphold the high reputation which it possessed when he undertook its duties. After some other personal observations, Mr. Barnard referred to the tribute in the Report to the memory of the late Curator as being justly merited, and also spoke of the kind services rendered for the last two months by Mr. Swan. Mr. Barnard concluded by again expressing his grateful acknowledgments for the handsome terms in which the motion had been proposed and supported, as well as for the very cordial reception it had met with from the meeting.

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## R E P O R T.

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DURING the Session of 1883 the following papers were read at the various monthly meetings :—" On new Species of *Antechinus* and *Mus*," by E. T. Higgins, M.R.C.S. Eng., and W. F. Petterd, C.M.Z.S.; " Notes on new Plants introduced into the Royal Society Gardens during 1882," by Francis Abbott, Superintendent; " Description of a new cave-inhabiting Spider, together with Notes on Mammalian Remains from a recently discovered cave in the Chudleigh District," by E. T. Higgins, M.R.C.S., and W. F. Petterd, C.M.Z.S.; Notice of additions to the list of Tasmanian Fishes, &c., by R. M. Johnston, F.L.S.; " Notes on Earthquake Shocks," by Commander Shortt, R.N.; " Description of a new species of *Mus*, with a list of the terrestrial Animals of Tasmania," by E. T. Higgins, M.R.C.S., and W. F. Petterd, C.M.Z.S.; " Some further additions to the list of the Fishes of Tasmania," by R. M. Johnston, F.L.S.

In addition to the ordinary scientific periodicals, various donations and exchanges from many foreign scientific bodies, especially those from the United States of America, are constantly accumulating in the library; and it has now become indispensable that a complete catalogue of its valuable contents should be undertaken. A small amount has been expended upon binding the parts of scientific serials as they form into volumes, and also some of the more valuable works in the library, notably Gould's *Birds and Mammals of Australia*. Were funds available, much more might be accomplished with advantage in this direction.

The Queen's Domain Improvement Committee has made good progress in tree planting in various localities. The old Corporation quarry has been considerably improved by levelling and planting. All the necessary plants have been put in, and are doing well with very few exceptions.

Four new Fellows have been elected, whilst 15 have been lost through death and other causes. The total number of Fellows is now 99.

The usual Meteorological Observations have been regularly received from the Government Observer. There are now eight stations throughout the colony, furnished with first-class instruments, and two additional will soon be opened at King and Swan Islands. Weather telegrams are sent daily to the Melbourne Observatory, whence a forecast of the probable weather for the next 24 hours in Bass' Straits, and on the Northern coast of Tasmania, is daily received and exhibited at the chief Telegraph offices.

#### COUNCIL.

No alteration in the Council has taken place during the year, nor have any new candidates been proposed under Rule 31. The provisions of Rule 32 have been duly observed.

#### FINANCE.

The increase for the year from all sources has been as follows:—Government grant in aid to Museum, £200; grant to Gardens, £600; annual subscriptions, &c. £177; from Marine Board, £20; sale of plants, &c. at Gardens, £103 19s. 10*d.*,—making, with balance from 1882, £1128 5s. 11*d.* The expenditure amounted to £1070 18s. 3*d.*, leaving a balance to credit of £57 7s. 8*d.*

A special grant of £100 was made by Parliament for the purchase of additional cases for the Museum, rendered necessary by the increased accommodation required for specimens, of which sum £81 19s. 4*d.* has been spent, leaving a balance of £18 0s. 8*d.* available for the same object.

#### GARDENS.

Many valuable plants have been introduced during the past year, foremost amongst which may be mentioned a collection of ornamental deciduous trees from Messrs. Van Geert, of Ghent, Belgium, comprising maples, beeches, ashes, oaks, elms, and several others of equal merit; and from this source alone some 30 species of forest trees have been added to our collection. *Disa grandiflora*, a superb terrestrial orchid from the Cape Botanic Gardens, has been successfully introduced.



The supply of labour is still totally inadequate, in consequence chiefly of the extension of the grounds, with the vastly increased number of plants, the falling off of prison, and the greatly enhanced cost of free, labour.

Many urgent representations in late years have been made to Government on the subject; and the Council, it is pleasant to report, have at last some reason to hope that further and much needed assistance may be granted during the current year.

The important work of labelling the plants, referred to in last year's Report, is still being carried on as rapidly as means will allow.

Thanks are again due to the donors of plants and seeds; also to captains and owners of vessels and others, who have gratuitously assisted the Society in effecting exchanges.

The approximate number of visitors to the Gardens was 56,144.

#### MUSEUM.

It is with the deepest regret the Council have to record the death of the Curator, Mr. Thomas Roblin. For many years Mr. Roblin had been a most faithful, zealous, and efficient officer. His quiet, unassuming manner, his readiness to oblige, and his willingness on all occasions to afford to enquirers every information in his power, secured him the respect, esteem, and regard of every member with whom he came in contact. Much of his excellent handiwork will remain to bear enduring testimony to the admirable manner in which he discharged the various duties of his office. The Council have had a somewhat arduous task in selecting from candidates a fitting successor, but they have a well-grounded assurance that in conferring the appointment upon Mr. Alexander Morton, Curator's Assistant to the Sydney Museum, they have consulted the best interests of the Society by securing the services of an officer possessing an extensive knowledge of Natural History, with long and trained experience in everything connected with the practical work of a Museum.

Presentations during the year have been numerous, and of a varied and interesting character. By means of the extra grant already referred to, many alterations have been made, which will secure a much more effective display for the specimens.

For re-labelling and arranging a great part of the Ornithological collection, the best thanks of the Society are due to Mr. E. D. Swan, who has devoted a very great amount of time and trouble to this much needed work. The Society is under additional obligation to Mr. Swan for the valuable services which he has rendered in various other directions during the past two months.

The number (approximate) of visitors to the Museum was:—On Sundays, 11,000; on week days, 13,000. Total, 24,000.

J. W. AGNEW, M.D., *Hon. Secretary.*

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# STATEMENT of the Funds of the ROYAL SOCIETY OF TASMANIA for the Year 1883.

Receipts.		£	s.	d.	£	s.	d.	£	s.	d.
Balance as per statement for 1882....		..			27	6	1			
<b>Royal Society.</b>										
Annual Subscriptions and arrears from former years.....		177	0	0				29	8	6
From Marine Board for clerical assistance .....		20	0	0				3	12	9
								7	17	6
								0	5	0
<b>Museum.</b>										
Grant in aid from Treasury.....		200	0	0				20	0	0
Special grant for new cases .....		100	0	0				41	9	1
								15	0	6
								5	12	0
								0	9	10
										123 15 2
<b>Botanic Gardens.</b>										
Grant in aid from Treasury.....		600	0	0				125	0	0
Proceeds of sale of Plants, Fruit, &c.		103	19	10				52	0	0
								12	15	0
								3	5	0
								0	5	0
								5	13	4
								2	3	0
								5	5	0
								1	11	3
								6	18	3
								1	2	3
								114	0	4
								3	19	3
										833 17 8
<b>Gardens.</b>										
Salary of Superintendent.....								200	0	0
Wages of Labourers .....								302	0	6
<b>Expenditure.</b>										
<b>Royal Society.</b>										
Printing and Advertising.....								29	8	6
Postage, Parcels, &c.....								3	12	9
Collector's Commission .....								7	17	6
Messenger .....								0	5	0
Clerical assistance for Meteorological Tables.....								20	0	0
Library—Books and Stationery ...								41	9	1
Ditto, Bookbinding.....								15	0	6
Furniture, &c. ....								5	12	0
Sundries .....								0	9	10
										123 15 2
<b>Museum.</b>										
Salary of Curator .....								125	0	0
Wages of Museum Attendant .....								52	0	0
Ditto, Sunday duty .....								12	15	0
Insurance .....								3	5	0
Purchase and preparation of specimens .....								0	5	0
Water rate.....								5	13	4
Sweeping chimneys .....								2	3	0
Fuel and light .....								5	5	0
Sundry and petty cash.....								1	11	3
Ironmongery, brushware, &c.....								6	18	3
Freight and carriage of specimens ..								1	2	3
Repairs to buildings, fittings, &c. ..								114	0	4
Camphor, spirits of wine, &c. ....								3	19	3
										833 17 8
<b>Gardens.</b>										
Salary of Superintendent.....								200	0	0
Wages of Labourers .....								302	0	6



Repair of tools, &c. ....	9 10 10	
Freight and carriage of Plants.....	14 1 2	
Stationery and stamps .....	5 2 10	
Forage .....	4 7 9	
Horse hire .....	10 14 0	
Ironmongery, fittings, &c. ....	54 16 2	
Timber and repair of buildings ....	37 15 10	
Seeds .....	14 8 0	
Sundries .....	26 17 8	
Water rate .....	3 3 4	
Flower-pots .....	12 17 0	
	<u>695 15 1</u>	
	<u>£1153 7 11</u>	

Balance as per statement for 1882 ....	27 6 1	
Receipts .....	1200 19 10	
Expenditure .....	..	1153 7 11
Balance to credit as per pass-book....	..	74 18 0
	<u>£1228 5 11</u>	<u>1228 5 11</u>

Audited and found correct.

FRANCIS BUTLER.  
JOHN MACFARLANE.

28th January, 1884.

£1228 5 11

# STATEMENT of the MORTON ALLPORT Memorial Fund, 1883.

1883.	Dr.	£ s. d.	1883.	Cr.	£ s. d.
Jan. 1.	To balance as per statement for 1882.....	30 12 10			
Nov. 5.	Cash, A. G. Webster.....	13 0 6			
	Interest, Savings Bank.....	2 4 8			
		<u>£45 18 0</u>			
			Dec. 31.	By balance in Savings Bank to credit of Fund .....	45 18 0

Audited and found correct.

FRANCIS BUTLER,  
JOHN MACFARLANE.

28 April, 1884.

*ADDITIONS to the Library, 1883.*

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- Air Pressure, Reduction of. By H. A. Hazien, A.M. From Chief Signal Office, Washington.
- Auroras, Chron., List of, 1870-79. By Lieut. A. W. Greeley. From the Author.
- Association, American, for Advancement of Science, 1880. From the Association.
- Academy, American, of Natural Sciences, Proceedings of 1880 and 1881, 6 parts.
- Academy, American, of Arts and Sciences, vol. 16, Proceedings, parts 1 and 2, and Memoirs, vol. II., part 1.
- Association, British, Report of, 1882.
- Arts, Journal of Society of, vol. 30, 1881-82.
- American Agriculturist, current numbers.
- Agricultural Gazette, current numbers.
- Athenæum, part 659, November, 1882.
- Annals of Natural History, 60 to .
- Arts, Journal of Society, 1859.
- Astronomical Society, Royal, Monthly Notices, vol. 43 to .
- Aborigines of Australia, The Religion of. By Rev. J. Macpherson, A.M., Sydney.
- Acta, Horti Petropolitani, tomus fasci.
- Agricultural Statistics, 1882.
- Abstract of Meteorological Observations, 1882.
- American Museum of Natural History.
- Bulletin du Musée Royal d'Histoire Naturelle, tome 1, 1882, No. 2.
- Ditto, ditto, tome 1, 1882, No. 3.
- Bulletin of the American Museum of Natural History.
- Census of Victoria.
- Colonial Institute, Proc., vol. 13, 1881-82.
- Catalogue of Books, W. P. Collins, London.
- Ditto, B. Quarltch, ditto.
- Conchology, Journal of, Nos. 11, 12, July and October, 1882.
- Census of Tasmania, 1881.
- Comparative Table of Climate observed at Meteorological Stations, N.Z., 1881.
- \*Census, Compendium of 10th, U.S., 1880, 2 vols.
- Country Gentleman's Magazine, Nos. 10, 11, 20, 21, 1882.
- \*Conchology Papers, 11 parts. By J. Brazier. From the Author.
- Paper, 1 part. By R. C. Rossitter.
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### *LIST of Donors to the Museum during 1883.*

(For particulars of Donations see lists in Monthly Proceedings.)

Adams, R. P.	Higgins, Dr.
Barnard, Dr.	Institute, New Zealand
Bailey, H. H.	James, C. W. S.
Bastian, C.	Knight, W.
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Crossley, W., jun.	Macpherson, P., Rev.
Cotton, J.	McClymont, J. R.
Crosby, W., Mrs.	Minister of Lands, Hobart
Cowen, J. H.	Merry, L.
Chamber of Commerce, Victoria	Petterd, W. F.
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Davis, R. H.	Rayner, W., New Norfolk
Edgar, Miss	Swan, E. D., Hobart
Elliott, G., Melbourne	Stephens, T.
Edge, C.	Tucker, F.
Evans, J. E.	Whittaker, J.
Glover, C.	Westbrook, G. C.
Geard, Mr.	Woodin, W.
Hume, Mr.	Warner, H. J.
Haalt, Dr.	Young, E.



PLANTS INTRODUCED INTO THE ROYAL SOCIETY'S  
GARDENS DURING 1883.

Abutilon indicum	Eugenia Maire
Acer japonicum palmatum	"    Malaccensis
"    polymorphum	Fagus sylvatica cristata
crispum	"    fol. arg. varie-
"    roseo pictis	gatus
"    Pennsylvanicum	"    pendula
Achillea millifolium rubrum	Fraxinus Americana aucubafolia
Androsace sarmentosa	Gentiana fatisora
Anemone Caroliniana	Grevillea Dallachiana
Aquilegia leptoceras	"    ericifolia
Aristolochia siphon	"    obtusifolia
Asplenium Veitchianum	"    junisperoides
Astragalus thianschanicus	Goniolepis eurybioides
Astrantia Bierbensteini	Hedera marginata aurea
Bambusa falcata	Hedysarum neglectum
Barbarea vulgaris variegata	Helenium autumnale
Bignonia gracilis	Hibiscus lampas
Calliandra brevicarpa	"    splendens
Calliopsis prolifera	Hydranga cyanoclada
Campanula lamiifolia	Hypæstes purpurea
Campsidium filicifolium	Ilex balearicus
Carya oliviformis	"    cassinoides
Carex maxima	Ipomæa pendula
Cassia alata	Iris bispinus
"    hirta	"    ensata
Castanea heterophylla dissecta	"    lævigata
Ceanothus olivariatus	"    nothia
Cerasus—double French	"    virginica
"    Sieboldtu variegata	Juglans regia laciniata
Cheilanthes Borsigiana	Jurinia eversmannia
Cinchona Ledgeriana	Lactuca Macrorrhiza
Cratægus crenulata	Laurea vespertilionis
Curcuma Leopoldi	Liriodendron tulipiferum pictis
Daphne marginata	"    vario-
"    Mazeli	gatum
Dasylyrion Wheeleri	Lygodium venustum
Delphinium Caucasicum	Melia umbraculifera
Dendrobium stridatum	Microsonium unioides
Desmodium gyrans	Nerium Delphine
Deutzia staminosa	Nipholobolus cuprea variegatus
Dianthus Winemeri	Oenothera crassiuscula
Dioscoræa bulbifera	Oncillea saponaria
Draba brumiifolia	Osmunda regalis
Dracocephalum straminea	Oxytropis ochroleuca
Duvaua dependens	"    strobilacea
Erythria linariifolia	Passiflora incarnata
Erythrina compacta	Pernettya mucronata
"    Harrisii	Phyllanthus nepalensis
Escallonia sanguinea	"    parvifolius



Polygala triphylla  
 Populus Van Geertii  
 Potentilla glandulosa  
     " multifida  
     " Pennsylvanica  
 Premna, sps.  
 Primula farinosa  
 Pulsatilla pratensis  
     " vernalis  
 Quercus concordia  
     " fissus  
     " japonica variegata  
     " macrocarpa  
     " macrophylla  
     " penduncularis argentea  
     variegata  
     " elegans albo-marginata  
     " filicifolia  
     " pendula

Ranunculus lingua  
 Retinospora juniperoides  
 Rhamnus procumbens  
 Rhus rhodanthema  
 Robinia Decaisneana  
 Sapota costata  
 Saxifraga nivalis  
 Scolopendrium cristata  
 Solanum jaquinii  
 Spiraea pallasii  
 Ulmus campestris aureus  
     " " " viridis  
     " " " urticifolia  
     " exoniensis pendula  
     " fulva pendula  
 Urena lobata  
 Uraria Lagopus  
 Veronica Hectori  
     " Imperialis  
 Wistaria frutescens

#### *Abutilon.*

Aurea globosa  
 Delicatum  
 Lady of the Lake

Perle d'Or  
 Princess Marie

#### *Caladium.*

Agrippine Dimitri  
 Countesse de Pogue Ordan  
 Diana  
 Louise Duplessis  
 Lepeschkine  
 Madame A. Warne  
     " Houillet

Madame Humbella  
     " Marjoline Scheffer  
 Monsieur Linden  
 Proserpine  
 Pyrrhus  
 Walter Scott

#### *Clematis.*

Albert Victor  
 Alexandria  
 Fair Rosamond  
 Fairy Queen  
 Gipsy Queen  
 Henryi  
 J. Gould Veitch  
 Lady Boville  
     " C. Neville  
     " J. Radcliff  
     " Lonsborough  
     " Stratford de Radcliffe  
 Lucy Lemoine  
 Madame Grange

Marie Lefebvre  
 Miss Bateman  
 Mr. J. Bateman  
 Mrs. Quilter  
 Purpurea elegans  
 Sensation  
 Sir Garnett Wolseley  
 Sir Thomas Moore  
 Standishii  
 The Queen  
 Tunbridgensis  
 Velutina purpurea  
 Victoria

*Chrysanthemum.*

Golden Christine  
Guernsey Nugget  
Lady St. Clair  
Little Harry  
Lord Derby

M'Mahon  
Mt. Edgecombe  
Princess Teck  
White Christine

*Dahlia.*

Annie Rawlings  
Aurora  
Constancy  
Deutsche Sonne  
Herbert Turner  
John Ashby  
John Greenway  
King of Primroses  
Louisa Neate

Mrs. Dix  
Nellie Buckland  
Neville Keynes  
Princess of Prussia  
Prince Bismark  
Princess of Prussia  
Queen of Beauties  
Rose Unique

*Lantana.*

Alba magna  
Diadem  
Imperatrice Eugenie

Meteor  
Sanguineum

*Pelargonium.*

Alexina  
Bridal Bouquet  
Charles Outrim  
Emile Everard  
Evening Star  
John Bright  
Lady Isabelle

Marie Malet  
Marie Lemoine  
Maggie Hayes  
Pygmalion  
Thomas Dodds  
Ville de Caen  
Volante Nationale

*Pelargonium—Zonal.*

A. F. Barron  
Boula Rose  
I've got it  
La France  
Lucy Lemoine  
Madame Thibaut  
Mrs. Laver

Pluton  
Princess Stephanie  
Renown  
Vesuvius, salmon  
Vesuvius, white  
Wyckærti

*Pelargonium, Ivy.*

Gloire de Orleans

*Roses.*

A. K. Williams  
Barone Noirmont  
Charles Darwin

Constantine Trekiakoff  
Diana  
Duchesse Bedford

Edward Pynaert  
 Elie Moral  
 Etienne Levet  
 François Lacharme  
 Isabella Sprunt  
 John Bright  
 Jules Chretien  
 Lady Sheffield  
 Little Gem  
 Madame A. Derreaux  
 Madame Jeanie Marix  
 Madame Pulliat  
 Marie de Blois

Marie Van Houtte  
 Marquis Ligneris  
 Mrs. Baker  
 Mrs. Harry Turner  
 Monsieur Noman  
 Oxonian  
 Panache d'Angers  
 Perfection de Lyon  
 Prince Leopold  
 Royal Standard  
 Supert et Notting  
 Village Maid

*Apples.*

Ailes  
 American Golden Pippin  
 Borowisky  
 Chronicle  
 Cogswell's  
 Cooper's Markek  
 Evening Party  
 Grimes' Golden Pippin

Hartford Sweet  
 Irish Peach  
 Keddleston Pippin  
 Lady's Sweet  
 Magnum  
 Rawles' Janet  
 Reinette Franche

*Apricot.*

Late French Red

*Peach.*

Red Syrian Nectarine

*Diospyrus Kaki.*

Among  
 Gosho  
 Hayakuma

Haycheya  
 Seedless

EXCHANGES OF PLANTS, SEEDS, &c. DURING 1883.

From Messrs. Ch. Huber, France—27 packets seeds.

From Messrs. Vilmorin, Andrieux, et Cie., France—5 packets seeds.

From De Smet Frères et Cie., Belgium—2 cases rhododendrons.

From Messrs. A. Van Geert, Belgium—Case deciduous trees.

From Mr. Thos. Gulliver, Queensland—Case orchids.

From Smithsonian Institute, Washington—18 packets seeds.

From Mr. C. F. Creswell, Sydney—Seeds araucaria Bidwilli.

From Baron Ferd. Von Müeller, Government Botanist, Victoria—50 packets seeds.

From Smithsonian Institute, Washington—12 packets seeds.

- From Messrs. Vilmorin, Andrieux, et Cie., Paris—5 packets seeds.  
 From Messrs. Shepherd & Co., Sydney—Seeds, 18 var. eucalypti.  
 From Mr. W. R. Guilfoyle, Director Botanic Gardens, Melbourne—24 packets palm seeds.  
 From Baron Ferd. Von. Müeller, Government Botanist, Victoria—150 packets seeds.  
 From Mrs. R. D. Harris, High School—30 packets seeds received from Saharunpar, India.  
 From Mr. J. Smith, Victoria—12 plants.  
 From Messrs. Vilmorin, Andrieux, et Cie., Paris—5 packets seeds.  
 From Mr. G. Brunning, St. Kilda, Victoria—Case plants, various.  
 From Messrs. J. Smith, Victoria—50 plants.  
 From Royal Gardens, Kew, England—Seeds *Rhus copallina*.  
 From Messrs. C. F. Cresswell & Co., Melbourne—Case containing 18 plants.  
 From Baron Ferd. Von Müeller, Government Botanist, Victoria—3 packets seeds.  
 From Dr. J. Hector, Wellington—14 packets seeds.  
 From Messrs. Shepherd & Co., Sydney—Case containing 36 plants.  
 From Messrs. Law, Somner, & Co., Melbourne—Case of plants.  
 From Lady Dry, Tasmania—24 packets seeds, Ceylon.  
 From Messrs. Hugh Low & Co., London—Case plants; about 30 alive.  
 From Mr. C. F. Creswell, Victoria—Case containing 36 plants.  
 From Messrs. De Smet Frères, Belgium—320 varieties ranunculus and anemone.  
 From Baron Ferd. Von Müeller, Government Botanist, Victoria—Case Queensland orchids.  
 From Messrs. J. Smith & Sons, Riddell's Creek, Victoria—18 plants.  
 To Dr. R. Schomburg, Director Botanic Gardens, Adelaide—2 bags sphagnum moss.  
 To W. R. Guilfoyle, Director Botanic Gardens, Melbourne—2 bags sphagnum moss.  
 To Ch. Moore, Director Botanic Gardens, Sydney—2 bags sphagnum moss.  
 To Messrs. De Smet Frères, Ghent, Belgium—32 tree ferns; 1 case Norfolk Island pines.  
 To M. A. Van Geert, Ghent, Belgium—10 tree ferns.  
 To Messrs. Shepherd & Co., Sydney—2 bags sphagnum.  
 To Mr. C. F. Creswell, Melbourne—Case mixed bulbs.  
 To Mr. G. Brunning, St. Kilda, Victoria—Case plants and seeds.  
 To Dr. J. Hector, Wellington—36 packets seeds.  
 To Messrs. J. Smith & Sons, Riddell's Creek, Victoria—Case plants and seeds.  
 To Messrs. Law, Somner, & Co., Victoria—Case plants and seeds.  
 To Mr. W. R. Guilfoyle, Director Botanic Gardens, Victoria—Case plants.  
 To Mr. C. F. Creswell, Melbourne—Package seeds.  
 To Messrs. Ch. Huber et Cie., France—38 packets seeds.  
 To Messrs. Vilmorin et Cie., Paris—14 packets seeds.

- To Botanic Gardens, Cambridge, England—46 packages seeds.  
 To Botanic Gardens, Calcutta—45 packages seeds.  
 To Horticultural and Agricultural Society, Madras—70 packages seeds.  
 To Botanic Gardens, Cape Town—67 packages seeds.  
 To Botanic Gardens, Natal—53 packages seeds.  
 To Chamber Agriculture, Washington—74 packages seeds.  
 To Royal Botanic Gardens, Kew, near London—14 packages seeds.  
 To T. C. Just, Esq., Calcutta—50 packages seeds.  
 To Mr. C. F. Creswell, Victoria—Case plants.  
 To Ch. Moore, Director Botanic Gardens, Sydney, N.S.W.—2 bags sphagnum moss.  
 To Botanic Gardens, Melbourne—2 bags sphagnum.  
 To J. Smith & Sons, Riddell's Creek, Victoria—2 bags sphagnum moss.  
 To Messrs. Law, Somner, & Co., Melbourne—Package seeds.  
 To M. A. Van Geert, Ghent, Belgium—8 tree ferns.  
 To Hugh Low & Co., London—Case Norfolk Island pines.

F. ABBOTT, *Superintendent Royal Society's Gardens.*

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